



**MGD GIRLS' SCHOOL, JAIPUR**  
**HOLIDAY ASSIGNMENT**  
**Board Cambridge**  
**CLASS – VIII**  
**SESSION – 2026 – 2027**



**Dear Students,**

**As summer break begins, take this time to relax, reflect, and recharge. Alongside rest and recreation, let this be an opportunity to grow intellectually, creatively, and personally.**

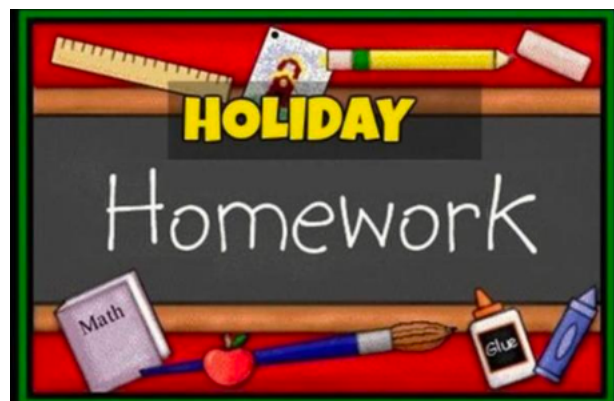
**Your holiday homework is designed to enrich your learning beyond the classroom. Approach it with sincerity and originality. Ensure your work is neat, well-organized, and aligns with the subject-specific guidelines.\**

**In addition, we encourage you to:**

- Read newspapers to stay informed about current affairs.
- Improve handwriting by writing a page in English and Hindi daily.
- Read at least two meaningful books and create a personal word journal.
- **Be proactive and responsible—support your family and community in small but meaningful ways.**

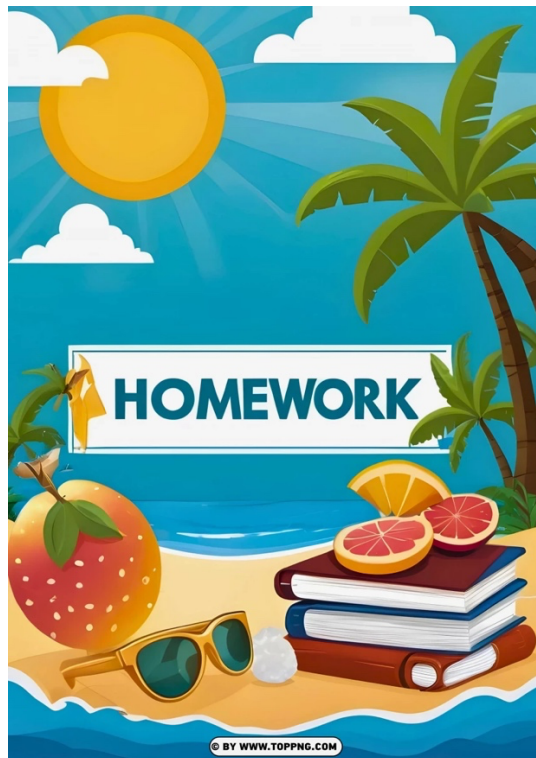
**"Let summer light your inner flame, seek new knowledge, rise to fame. Pause, reflect, explore, and read— This season, plant your learning seed."**

**Wishing you a productive, joyful, and refreshing holiday!**



## INDEX

1. English
2. Hindi
3. French
4. Sanskrit
5. Mathematics
6. Science
7. Social Science
8. Computer Science
9. Art
10. Clay Modelling



## ENGLISH

### Creative Twist: Stories for a Sustainable Future

#### *“Action Begins with Me”*

#### Objective

To develop creativity, responsible thinking, and awareness of sustainability by connecting stories and creative expression with the Sustainable Development Goals (SDGs).

#### Task 1: Rewrite the Ending with Sustainability

Choose any **story, fairy tale or folktale**. Rewrite its ending by adding a meaningful sustainable twist.

#### Your new ending should show:

- How the characters protect nature or help society?
- Responsible use of resources.
- Positive actions that inspire others.

You may include ideas such as:

- Saving water and electricity
- Reducing plastic use
- Recycling and reusing materials
- Planting trees and protecting animals
- Keeping surroundings clean
- Equality, kindness, and community support

#### Guiding Questions

- What sustainable action do the characters take?
- How does their action help people or the planet?
- Which **SDG** does your ending connect to?

#### Suggested SDGs

- **SDG 6 – Clean Water and Sanitation**
- **SDG 12 – Responsible Consumption and Production**
- **SDG 13 – Climate Action**
- **SDG 15 – Life on Land**

#### Guidelines

- Word Limit: **120–150 words**
- Keep the original characters.
- Add a suitable title.
- Mention the SDG clearly at the end.
- Decorate the page creatively using drawings, symbols, or recycled craft material.

## Task 2: Create Your Own Sustainable Story

Write an **original short** story in which the main character solves a problem through sustainable actions.

Your Story Should Include:

- A creative title
- Interesting characters
- A problem related to the environment or society
- A solution connected to an **SDG**
- A meaningful message or moral

Choose Any One SDG as Your Theme

- **SDG 3 – Good Health and Well-being**
- **SDG 5 – Gender Equality**
- **SDG 7 – Affordable and Clean Energy**
- **SDG 11 – Sustainable Cities and Communities**
- **SDG 14 – Life Below Water**

Guiding Questions

- What challenge does your character face?
- What action do they take to improve the situation?
- How does their action help people or the planet?
- What lesson can readers learn from the story?

Guidelines

- Word Limit: **200–250 words**
- Use original ideas and creative thinking.
- Mention the SDG clearly below the story.

## Task 3: SDG Creative Connection

Choose one scene from either story and present it creatively using **any one** of the following:

- Illustration or comic strip
- Poster or slogan
- Bookmark design
- Recycled craft collage

Must Include

- The **SDG Number and Title**
- A short caption explaining the message

Reflection Corner

Answer the following questions in **3–4 lines each**:

1. Which SDG inspired you the most and why?
2. What small action can you take in daily life to create a sustainable future?
3. How can stories inspire people to care for the planet?

## Submission Guidelines

- Present your work neatly and creatively.
  - Use eco-friendly or recycled materials wherever possible.
  - Mention the SDG clearly in each task.
  - Focus on originality, imagination, and meaningful action.
  
  - Submit the project in a well-organized cardboard file or notebook. **(NO PLASTIC FILES TO BE USED)**
  - **SUBMISSION DATE: 6 JULY 2026**
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## READING CHAMP

### Dear students

The famous writer, C S Lewis said, “Literature adds to reality, it does not simply describe it.”

Reading is not merely a habit; it is a quiet awakening of the mind and spirit. In an era of fleeting distractions, reading anchors the mind, refines language, nurtures imagination and cultivates patience, focus, empathy, perspective, and discernment.

Books are faithful companions, reflecting our inner selves while opening vistas beyond our immediate world. Therefore, we would like to share a list of readable books with you. Knowing, for sure, that you will read the maximum number of books from the given list.

A true **Reading Champ** never stops exploring through pages. Challenge yourself this summer to read as many books as you can, because every book you finish adds strength to your mind and wings to your dreams. Read more, learn more, and grow more every single day.

### Recommended Books:

1. The Diary of a Young Girl by Anne Frank
2. The Blue Umbrella by Ruskin Bond
3. The 7 Habits of Highly Effective Teens by Sean Covey
4. Wings of Fire by Tui Tamara Sutherland
5. You are Born to Blossom by A.P.J. Abdul Kalam
6. The Invisible Man by H. G. Wells
7. Around the World in Eighty Days by Jules Verne
8. The Adventures of Sherlock Holmes by Arthur Conan Doyle
9. Swami and Friends by R. K. Narayan
10. The Old Man and the Sea by Ernest Hemingway
11. Secret Garden — Frances Hodgson Burnett



### **BUDDING AUTHORS ARCADE**

As your reading journey continues, you will surely be inspired to pen a book yourself. The school is providing you a great opportunity to be a published author.

Register yourself by 29 May 2026

Secure your spot here:

👉 <https://www.camp.bribooks.com/events/student/signup/sc-india-2026?sid=191728>

**INITIATIVE FOR BUDDING AUTHORS**

A Global Opportunity for our Students:  
Powered by **NDTV** & The **Discovery CHANNEL**

MGD GIRLS' SCHOOL is proud to bring the **Summer Book Writing Festival** to our students (Classes 6 to 12). This is India's largest book writing event, hosted by **EducationWorld** and **BriBooks**. As a school-led initiative, we are excited to help you achieve **Globally Published Author** status this summer! 📖👏

**Note:** Student Registration is Mandatory to secure your participation and official certification.

**THE BEST PART?**

- 100% FREE** for all students.
- Only 14 Pages** to become a Published Author.
- Free Masterclasses:** Professional creative writing training included.

**REGISTRATION STARTS NOW!** Secure your spot here: <https://www.camp.bribooks.com/events/student/signup/sc-india-2026?sid=191728> **LAST DATE OF REGISTRATION: 29 MAY 2026**

**NEXT STEPS:** After registering, watch this guide to start your journey: <https://www.yaf.bribooks.com/how-to-write/mobile>

**PUBLISHING DEADLINE:** **25 JULY 2026**

**SUPPORT:** For any queries, call 8040138133 or email [support@bribooks.com](mailto:support@bribooks.com)

## HINDI

1. स्वयं को धरती मानकर अपने मन की बात व्यक्त करते हुए आज के बच्चों के नाम एक पत्र लिखिए।
2. एक पौधा लगाइए तथा उसकी देखभाल कीजिए। लगातार उसमें होने वाले बदलाव का निरीक्षण करते हुए अपना अनुभव लिखिए। (प्रतिदिन 2-3 पंक्तियाँ)
3. घर में रखी किसी किताब / अखबार से 10 नए शब्द खोजिए उनके अर्थ लिखते हुए वाक्य में प्रयोग कीजिए।
4. निम्नलिखित विषयों में से किसी एक विषय पर आकर्षक विज्ञापन तैयार कीजिए –  
(अ) स्वच्छ पर्यावरण (ब) जल है तो कल है
5. अपनी रूचि के अनुसार किसी भी पुस्तक (कहानियाँ, उपन्यास, आत्मकथा, नाटक कविताओं आदि) का अध्ययन करें और उसमें आपको कौनसे पात्र और बातें सकारात्मक और अच्छी लगीं, लिखिए।

# FRENCH

## The Green City Diorama (Ma Ville Verte)

**Design a 3D model or a detailed poster of a "Green City" using recycled materials (cardboard, bottle caps).**

- **The Task:** Label at least 10 parts of the city in French using correct articles (le parc, la piste cyclable, la poubelle de recyclage, les arbres).
- **Creative Twist:** Write a 3-sentence "Manifesto" in French about why your city is eco-friendly (e.g., Dans ma ville, il y a beaucoup de vélos).

### 1. The Labels (Les Etiquettes)

**Prepare small flags using toothpicks and paper to label these 10 items in your diorama:**

1. Le parc (The park)
2. La piste cyclable (The bike path)
3. La poubelle de recyclage (The recycling bin)
4. Les arbres (The trees)
5. Le panneau solaire (The solar panel)
6. Le jardin partagé (The community garden)
7. Le bus électrique (The electric bus)
8. L'éolienne (The wind turbine)
9. La rivière propre (The clean river)
10. La gare (The train station)

## 2. The Manifesto (Mon Manifeste Écolo)

**Copy these three sentences onto a decorative scroll or a large card to place next to your model:**

- Ma ville est verte parce qu'il y a beaucoup d'arbres et de parcs.

(My city is green because there are many trees and parks.)

- Nous utilisons l'énergie solaire pour protéger la nature.

(We use solar energy to protect nature.)

- Tout le monde fait du vélo et recycle les déchets.

(Everyone rides bikes and recycles waste.)

## 3. Build Guide: Recycled Materials

- Buildings: Use old milk cartons or cereal boxes covered in green or white paper.
- Solar Panels: Cut small rectangles from shiny snack wrappers (silver side up).
- Trees: Use bottle caps as bases and green sponges or crumpled tissue paper for the leaves.
- Bike Paths: Paint or draw a grey strip with a small white bicycle symbol.
- Wind Turbines: Use old pencils or straws as the pole and cardboard cutouts for the blades.

## SANSKRIT



1. A4 साइज शीट पर विद्या पर आधारित पाँच संस्कृत भाषा में सूक्ति लेखन कीजिए।
2. किन्हीं 10 जलीय जीवों के चित्रों सहित संस्कृत नाम लेखन कीजिए
3. जीवन में योग के महत्व पर संस्कृत भाषा में पाँच पंक्तियाँ लिखिए

[ एक भारत श्रेष्ठ भारत ]

- 1 नागालैण्ड - राजस्थान द्वयोः राज्ययोः जनानाम् जीवनवृत्तेः साधनानि
- 2 नागालैण्ड - राजस्थान द्वयोः राज्ययोः कृषि- व्यवस्था
- 3 नागालैण्ड - राजस्थान द्वयोः राज्ययोः भौगोलिकपरिस्थिति - आधारिताः आहाराः
- 4 नागालैण्ड - राजस्थान द्वयोः राज्ययोः प्राकृतिक - सौंदर्यम्
- 5 नागालैण्ड - राजस्थान द्वयोः राज्ययोः प्रमुखाः उत्सवाः
- 6 नागालैण्ड - राजस्थान द्वयोः राज्ययोः जनानाम् जीवनवृत्तेः साधनानि
- 7 नागालैण्ड - राजस्थान द्वयोः राज्ययोः जनानाम् वेशभूषा
- 8 नागालैण्ड - राजस्थान द्वयोः राज्ययोः प्रमुखाः नृत्या

### स्मरणात्मक

चिन्मय मिशन श्लोकोच्चारण प्रतियोगिता 2026 हेतु अध्याय - 12 में से श्लोक संख्या 1 से 18 तक कंठस्थ करें।

# MATHEMATICS

## Instructions :

- Do question 2 in mathematics notebook
1. Create a beautiful wall hanging using different polygons.
    - Use shapes like triangles, squares, pentagons, hexagons, etc.
    - Arrange them creatively to form a design.
    - Use waste materials.
    - Maintain neatness and symmetry.

For reference:



2. Good Health – Junk Food vs Healthy Food
  - Study eating habits.

## Questions

1. How many times do you eat junk food weekly?
2. Do you eat fruits daily?
3. How many glasses of water do you drink every day?
4. Which healthy food do you like the most?

Draw a pie chart showing Healthy Food vs Junk Food consumption.

3. Learn the levels of Rubik's cube.

## SCIENCE

Theme: Science for Sustainable Development

“Learn Science, Protect the Planet”

This holiday homework connects science concepts with real-life environmental issues and Sustainable Development Goals (SDGs).

Topics Covered:

- Force and Energy
- Materials and Their Structure
- Root Hair and Water Absorption
- Transpiration
- Climate Change and Sustainability

SDGs Linked:

- SDG 6: Clean Water and Sanitation
- SDG 7: Affordable and Clean Energy
- SDG 12: Responsible Consumption and Production
- SDG 13: Climate Action
- SDG 15: Life on Land

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### GENERAL INSTRUCTIONS

1. Do any three activities from given six choices.
2. Complete the work in a notebook or reuse old sheets.
3. Use neat handwriting, labelled diagrams, charts, and pictures wherever possible.
4. Write observations in your own words.

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### SECTION A – FORCE AND ENERGY

Activity 1: Home Energy Audit

Aim:

To study electricity usage at home and suggest ways to save energy.

Observe any 5 electrical appliances and record:

Appliance	Power Rating	Hours Used Daily	Energy Saving Suggestion

Answer:

1. Which appliance uses maximum energy?
  2. How can energy conservation help the environment?
- 

### Activity 2: Simple Machine from Waste

- Make any one model using waste materials:
- Pulley
- Lever
- Windmill
- Water Wheel

Write:

1. Materials used
  2. Type of force involved
  3. How the model supports sustainability
  4. Paste a photograph/drawing of your model.
- 

## SECTION B – MATERIALS AND THEIR STRUCTURE

### Activity 3: Waste Segregation Survey

Observe household waste for 3 days and classify it.

**Type of Waste    Examples**

Biodegradable

Non-biodegradable

Recyclable

E-waste

Draw:

A pie chart or bar graph showing the waste distribution.

Answer:

1. Why is recycling important?
  2. How can plastic waste harm the environment?
- 

## SECTION C – ROOT HAIR & TRANSPIRATION

### Activity 4: Transpiration Experiment

Materials:

Leafy plant, transparent plastic bag, thread

Procedure:

Tie a plastic bag around a leafy branch and keep it in sunlight for a few hours.

Observe and Answer:

1. What do you see inside the bag?
2. From where did the water droplets come?
3. Why is transpiration important?
4. Draw a labelled diagram.

### Activity 5: Water Absorption in Plants

Materials:

White flower/celery stem, colored water

Observation:

Place the stem in colored water and observe changes after a few hours.

Explain:

1. Role of root hairs
2. Movement of water through xylem

3. Paste pictures or draw diagrams.

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## SECTION D – SCIENCE IN DAILY LIFE

### Activity 6: Sustainability Journal

Write one scientific observation daily for 5 days related to:

1. Saving water
2. Saving electricity
3. Recycling
4. Plant care
5. Reducing pollution

#### **Day Observation Scientific Concept**

Day 1

Day 2

Day 3

Day 4

Day 5

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#### ASSESSMENT RUBRIC

<b>Criteria</b>	<b>Marks</b>
Presentation & Creativity	5
Scientific Accuracy	5
Research & Observation	5
SDG Connection	5

Total: 20 Marks

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“Small scientific actions can create a sustainable future.”

## SOCIAL SCIENCE

### Art Integrated Project

Theme: Shape Your City – Innovation & Sustainability

### Group Project Work (7 Groups)

#### Group 1 – Water Management & Conservation methods of Rajasthan & Nagaland

- Explain the importance of water conservation in Desert and foothills of Himalayas
- Highlight the traditional methods of Rainwater harvesting practices in Rajasthan & Nagaland
- Paste pictures or draw ancient rainwater conservation structures of Rajasthan and Nagaland

#### Group 2 – Urban Development & sustainable Smart Cities of Rajasthan and Nagaland

- What is a sustainable smart city in your views
- Hint: Clean roads, smart traffic, green buildings, waste segregation, drainage system
- Referring the hints given above, draw a structure of sustainable smart city

#### Group 3 – Sustainable Agricultural practices in Rajasthan and Nagaland

- Differentiate between traditional and modern farming technique
- Write 5 lines on Sustainable agricultural practices used in Rajasthan and Nagaland
- Write one major crop grown in both the states along with the geographical conditions required

#### Group 4 – Disaster Management

- Describe in Brief the importance of disaster management
- Mention the different types of natural disasters experienced by the people of Rajasthan & Nagaland
- Hint: People in Rajasthan experience droughts, heatwaves, and water scarcity, while people in Nagaland face floods, landslides, and soil erosion due to heavy rainfall
- Referring the hints given above write 3 safety measures often used by people facing such disaster to show their Disaster preparedness

#### Group 5 – Waste Management practices in Rajasthan & Nagaland

- Types of waste (biodegradable/non-biodegradable) generated in both the states
- How 3Rs: Reduce, Reuse, Recycle can be incorporated in both the states
- Write the steps taken by you in waste management
- Click some pictures of Composting practiced by you and paste them with your project

#### Group 6: Environment, Flora-Fauna (Rajasthan and Nagaland)

- Climate of Rajasthan and Nagaland
- Types of Forests
- State tree, State Animal and State bird
- Famous environmentalist of Nagaland working on waste management- Thungbeni Murry
- Famous environmentalist of Rajasthan who promoted water conservation through traditional

rainwater harvesting- Anupam Mishra

Project Format (For Each Group)

1. Cover Page
  2. Certificate
  3. Acknowledgement
  4. Index
  5. Introduction
  6. Main Content (Any case study)
  7. Conclusion
  8. Bibliography (Source of Information)
- Note: The project file should be handwritten

Rubrics

- Content Accuracy – 2
  - Creativity & Art Work – 3
  - Presentation & Neatness – 2
  - Team Work – 2
  - Completion on Time - 1
- Total - 10

Subject Enrichment Project

Topic: Constitution of India – Fundamental Rights & Fundamental Duties

Learning Objectives:

- Understand the importance of the Constitution of India
- Learn about Fundamental Rights and Duties
- Develop responsible citizenship

Instructions for Students:

- Prepare a 3–5-page project file
- Use headings, drawings, examples, and creativity
- Each student will work on a different individual task as assigned

Individual Activity

Roll No. 1–5: Constitution Basics

1. Define Constitution and its importance
2. Features of Indian Constitution
3. Preamble explanation
4. Why do we need laws?
5. Role of Constitution in democracy

Roll No. 6–15: Fundamental Rights

6. Meaning of Fundamental Rights
7. List and brief explanation of all rights
8. Right to Equality (with examples)
9. Right to Freedom (daily life examples)
10. Right against Exploitation
11. Right to Freedom of Religion
12. Cultural & Educational Rights
13. Right to Constitutional Remedies
14. Importance of Fundamental Rights
15. Case study of rights violation

Roll No. 16–25: Fundamental Duties

16. Meaning of Fundamental Duties
17. List of all Fundamental Duties
18. Explain any 3 duties
19. Explain any 5 duties
20. Importance of duties in daily life
21. Duties of students
22. Duties towards environment
23. Duties towards nation
24. Role of citizens in maintaining unity
25. Real-life examples of responsible citizens

Roll No. 26–35: Application & Creativity

26. Difference between Rights and Duties
27. Why Rights and Duties go together
28. Poster on “Be a Responsible Citizen”
29. Slogan writing (5 slogans)
30. Write a note: “If I were a law maker”
31. Write a note: “My duties as a citizen”
32. Draw and explain Fundamental Rights symbols
33. Role play script on rights & duties
34. Create a comic strip on rights
35. Write 5 situations showing use of rights

Creative Component (Compulsory):

- At least 1 drawing/poster/chart
- Use of color and neat presentation

Rubrics

Content Accuracy – 3  
Creativity – 2  
Viva – 3  
Completion & effort-2  
Total-10

## COMPUTER SCIENCE

Instructions:

- Attempt all questions.
- Write neatly and include diagrams wherever required.
- Use real-life examples to support your answers.

Q1. (Subjective)

Explain the Bus Topology in computer networks.

Your answer should include:

- Definition
- Structure (how devices are connected)
- Role of backbone cable and terminators
- Advantages and disadvantages

Q2.(Subjective)

Describe Coaxial Cable and its use in networking. Include the following points:

- Structure of coaxial cable
- How it prevents signal interference?
- Advantages and limitations
- Example of where it is used

Q3.(Application-Based)

A school is planning to set up a small computer lab with 10 computers.

- Suggest a suitable network topology for this setup.
- Justify your choice with at least 3 reasons. –

Draw a labelled  
diagram of the  
network.

Q4.(Project-Based)

Create a mini project on “Types of Network  
Topologies”.

Your project should include:

- Bus, Star, Ring, and Mesh topology
- Diagrams of each topology
- One real-life example for each
- Comparison table (advantages & disadvantages)

Submission format:

- Digital (PowerPoint/ PDF)
- Minimum 6 pages/slides

# ART

Activity Plan: Plastic Bottle Craft (SDG 14: Life Below Water)

**Topic:** My Piggy bank,  
Marine Life – Eco Art for Ocean Conservation



## Clay Modelling

**Topic:** Paper Mâché Animal Shape Calendar

Students will create a **3D animal-shaped model** using paper mâché and attach a **monthly or yearly calendar** to it.

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